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Total number of hits satisfying chosen parameters:
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34.394 Million cell updates/sec
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apoptosis inhibito cut17 protein - fi IAB1 orf27 - Bomby orf13 protein - Au apoptosis inhibiti apoptosis inhibiti apoptosis inhibiti apoptosis inhibiti or IAP2 orf71 - Bomby apoptosis inhibito ORF MSV42 probabl hupJ protein - Rho probable apoptosis inhibito uTIP-glucose-1-pho phospholipase A2 (
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                                                                                                                apoptosis inhibitor - pig
C:Species: Sus scrofa domestica (domestic pig)
C:Date: 04-Sep-1998 #sequence_revision 04-Sep-1998 #text_change 02-Sep-2000
C:Accession: JC5964
R;Stehlik, C.; de Martin, R.; Binder, B.R.; Lipp, J.
Biochem. Biophys. Res. Commun. 243, 827-832, 1998
A;Title: Cytokine induced expression of porcine inhibitor of apoptosis protein (iap)
A;Reference number: JC5964
A;Accession: JC5964
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-358 <STED
A;Residues: 1-358 <STED
A;Cross-references: GB:U79142; NID:g2957174; PIDN:AAC39171.1; PID:g2957175
C;Superfamily: RING finger homology
F;307-351/Domain: RING finger homology <RRN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               R;Liston, P.; Roy, N.; Tamai, K.; Lefebvre, C.; Mature 379, 349-353, 1996
A;Title: Suppression of apoptosis in mammalian ca;Reference number: A58182; MUID:96149249
A;Accession: S68450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Description: apoptotic suppressor
C;Superfamily: RING finger homology
C;Keywords: apoptosis; zinc finger
F;567-611/Domain: RING finger homology <RNG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Status: nucleic acid sequence not shown A;Molecule type: mRNA A;Residues: 1-618 <LIS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     apoptosis inhibitor hiap-2 - human
C;Species: Homo sapiens (man)
C;Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 21-Jul-2000
C;Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 21-Jul-2000
C;Accession: 568450
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S72438
A482438
A48400
E30857
T10400
D37831
C645454
G71958
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          Score 256; DB 2; pred. No. 3.4e-24;
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Pred. No. 1.4e~25;
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Query Match

100.0 95.2 93.3 71.4 55.4 52.0 52.0 51.3

Minimum DB Maximum DB

Database

PIR\_68:\*

Listing

pir1:\*
pir2:\*
pir3:\*
pir4:\*

Scoring table: Sequence: Title: Perfect score:

Gapop 10.0 , BLOSUM62 Run on: OM protein

Copyright

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apoptosis inhibitor hiap-1 - human
C;Species: Homo saptens (man)
C;Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 21-Jul-2000
C;Accession: S68449
R;Liston, P.; Roy, N.; Tamai, K.; Lefebvre, C.; Baird, S.; Cherton-Horvat, G.; Fara Nature 379, 349-353, 1996
A;Title: Suppression of apoptosis in mammalian cells by NAIP and a related family o A;Reference number: A58182; MUID:96149249
A;Accession: S68449
A;Accession: S68449
A;Accession: S68449
A;Residues: nucleic acid sequence not shown
A;Relicule type: mRNA
A;Residues: 1-504 <LIS>
A;Cross-references: EMBL:U45878; NID:gl184315; PIDN:AAC50371.1; PID:gl184316
C;Function:
C;Superfamily: RING finger homology
C;Keywords: apoptosic suppressor
G;Superfamily: RING finger homology <RNG>
                                                                                                                                                                                                                                                                                                                                 R;Liston, P.; Roy, N.; Tamai, K.; Lefebvre, C.; Baird, S.; Cherton-Horvat, G.; Farahani, Nature 379, 349-353, 1996
A;Title: Suppression of apoptosis in mammalian cells by NAIP and a related family of IAHA;Reference number: A58182; MUID:96149249
A;Accession: S68451
A;Cession: S68451
                                                                                     A; Description: apoptotic suppressor
C; Superfamily: apoptosis inhibitor TAP homolo
C; Keywords: apoptosis; zinc finger
F; 446-490/Domain: RING finger homology <RRN>
                                                                                                                                                                             A:Molecule type: mRNA
A;Residues: 1-161,'C'.163-422,'Q'.424-497 <LIS>
A:Cross-references: EMBL:U45880; NID:g1184319;
C:Genetics:
A:Gene: 11p
C:Function:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          apoptosis inhibitor IAP homolog - human C;Speckes: Homo saptens (man) C;Date: 06-Dec:1956 #sequence_revision 13-Mar-1997 #text_change 17-Nov-2000 C;Accession: S69544: S68451 R3Va; Clem, R.J.; van Dongen, J.L.; Gilfillan, M. B;Duckett, C.S.; Nava, V.E.; Gedrich, R.W.; Clem, R.J.; van Dongen, J.L.; Gilfillan, M. EMBO J. 15, 2685-2694, 1996 R7Title: A conserved family of cellular genes related to the baculovirus iap gene and e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Title: A conserved family of cellular genes related to the baculovirus iap gene A;Reference number: S69544; MUID:96256286 A;Accession: S69544 A;Status: preliminary; nucleic acid sequence not shown A;Molecula tunar mana
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                                                                                                                                                                                                                                                                                                                       A; Status: nucleic acid sequence not shown
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A; Residues: 1-497 < DUC>
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43; Conser
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Pred. No. 2.3e-23;
1; Mismatches 2
  Score
Pred.
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                                                                                                                                       homolog;
  192;
No. 3.
  pB 2;
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                      Length 497
                                                                                                                                     finger homology
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A;Gene: GDB:SMAQ; SMA
A;Gene: GDB:SMAQ; SMA
A;Cross-references: GDB:120378; OMIM:600354; OMIM:253300
A;Map position: 5q12.2-5q13
C;Keywords: apoptosis; ATP; glycoprotein: nucleotide binding; P-loop; transfe;94-110/Domain: transmembrane #status predicted <TMM1>
F;44-110/Domain: transmembrane #status predicted <TMM2>
F;479-496/Domain: transmembrane #status predicted
F;479-496/Domain: transmembrane #status predicted
F;476/Binding site: ATP (Lys) #status predicted
F;476/Binding site: ATP (Lys) #status predicted
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A;Title: The gene for neuronal apoptosis inhibitory protein is partially deleted A;Reference number: A55478; MUID:95112344
  A;Description: apoptotic suppressor C;Superfamily: apoptosis inhibitor IAP homolog; C;Keywords: apoptosis; zinc finger C;Keywords: apoptosis; zinc finger f;445-489/Domain: RING finger homology <RNG>
                                                                                                                                                                                                                                                            submitted to the EMBL Data A; Reference number: $78528 A; Accession: $78528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    apoptosis inhibitor diap - fruit fly (Drosophila melanogaster) C;Species: Drosophila melanogaster C;Date: 17-Jul-1998 #sequence_revision 17-Jul-1998 #text_change 17-Nov-2000 C;Accession: $68452; $78528
                                                                                                                                                                     A;Molecule type: mRNA
A;Residues: 1-36,'AT',37,'K',39,'L',41-44,'H',46-58,'Q',60-412,'A',414-427,'A',429-49
A;Cross-references: EMBL:U45881; NID:g1184313; PIDN:AAC46988.1; PID:g1184314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Title: Suppression of apoptosis in mammalian A;Reference number: A58102; MUID:96149249 A;Accession: $68452
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                                                                                                        C; Function;
                                                                                                                                  A;Cross-references: FlyBase:FBgn0015247
                                                                                                                                                         C; Genetics
                                                                                                                                                                                                                                                                                                                                           A;Cross-references: EMBL:U45881; NID:g1184313; PIDN:AAC46988.1; PID:g1184314 R;Baird, S.D.
                                                                                                                                                                                                                                                                                                                                                                                                  A; Molecule type: mRNA
A; Residues: 1-496 <LIS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Status: nucleic acid sequence not shown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      R;Liston, P.; Roy, N.; Tamai, K.;
Nature 379, 349-353, 1996
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A; Residues: 1-1232 < ROY>
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;Date: 05-Jan-1996 #sequence_revision 05-Jan-1996 #text_change 02-Feb-2001
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Best Local Similarity
Matches 25; Conser
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homology
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Pred. No. 1.9e
6; Mismatches
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Action of Naip2, April 12: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization of Naip2, A;Title: CDNA cloning and the 5'genomic organization organizati
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 neuronal apoptosis inhibitory protein 2 - C;Species: Mus musculus (house mouse) C;Date: 11-Jan-2000 *sequence_revision 11
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C;Superfamily: apoptosis inhibitor IAP homolog;
F;446-490/Domain: RING finger homology <RRN>
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A;Title: A conserved family of cellular genes related to the baculovirus iap gene and e A;Reference number: S69544; MUID:96256286
A;Accession: S69545
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C; Species: Mus musculus
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A;Residues: 1-1447 <YAR>
A;Cross_references: EMBL:AF102871; NID:g3860228; PID:g3860229; PIDN:AAC73002.1
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ubiquitin-conjugating
us (house mouse)
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Pred. No. 1.1e-09;
6; Mismatches 16
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Pred. No. 5.1e-09;
4; Mismatches 18
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                                    mouse
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Query Match

49.18;

Score 132;

В

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Length

268

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R;Ahrens, C.A.; Russell, R.R.; Funk, C.J.; Evans, J.; Harwood, S.; Rohrmann, Virology 229, 381-399, 1997
A;Title: The sequence of the Orgyia pseudotsugata multinucleocapsid nuclear | A;Reference number: 21701; MUID:97271300
A;Accession: T10304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               inhibitor of apoptosis protein 3 - Orgyia pseudotsugata nuclear polyhedrosis virus
C;Species: Orgyia pseudotsugata nuclear polyhedrosis virus, OpMNPV
C;Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 15-Sep-2000
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A;Residues: 1-4845 <HAU>
A;Cross-references: EMBL:Y17267; NID:g3319989; PIDN:CAA76720.1; PID:g3319990
A;Note: localized to the Golgi compartment and the vesicular system
C;Keywords: membrane-associated protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C:Date: 22-Oct-1999 #sequence_revision 22-Oct-1999 #text_change C:Accession: T31067  
C:Accession: T31067  
R:Hauser, H.P.; Bardroff, M.; Pyrowolakis, G.; Jentsch, S. J. Cell Biol. 141, 1415-1422, 1998
                                                                                                                                                                                                                                                                                                                                     apoptosis-inhibiting protein - Orgyla pseudotsugata multicapsid nuclear polyhedrosis C;Species: Orgyla pseudotsugata multicapsid nuclear polyhedrosis virus, OpMNPV C;Date: 15-Oct-1994 *sequence_revision 15-Oct-1994 *text_change 15-Sep-2000 C;Accession: A53989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-268 <ARR>
A;Residues: 1-268 <ARR>
A;Residues: 1-268 <ARR>
B;Cross-references: EMBL:U75930; NID:92934903; PIDN:AAC59034.1; PID:91911281
C;Superfamily: viral apoptosis inhibitor IAP; RING finger homology
F;217-261/Domain: RING finger homology <RRN>
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A;Cross-references: GB:L22564: NID:g456111; PIDN:AAB02610.1; PID:g456114
A;Note: authors translated the codon TGG for residue 28 as Tyr, GAC for C;Superfamily: vtral apoprosis inhibitor 1Ap; RING finger homology E;217-261/Domain: RING finger homology <RRN>
                                                                                                                                                                                           R;Birnbaum, M.J.; Clem, R.J.; Miller, L.K.
J. Virol. 68, 2521-2528, 1994
A;Title: An apoptosis-inhibiting gene from a nuclear polyhedrosis virus
A;Reference number: A53989; MUID:94187094
A;Accession: A53989
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                                                                                                                A; Molecule type: DNA
A; Residues: 1-268 <BIR>
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                                                                                                                                                                  A; Status: preliminary
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Best Local Similarity 45.7
Matches 21; Conservative
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               132 LAEAGFFYTGQGDKTRCFCCDGGLKDWEPDDAPWQQHARWYDRCEY 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 LARAGFYY---IGPGDRVACFACGGKLSNWEPKDDAMSEHRRHFPNCPF 46
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25; Conser
                                                                                                                                                                                                                                                                            J.; Clem, R.J.; Miller, L.K. 2521-2528, 1994
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Pred. No. 5.9e-09;
6; Mismatches 19;
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Pred. No. 5.7e-08;
4; Mismatches 17
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Inhibitor-of-apoptosis polypeptide (IAP) - Cydia pomonella granulosis virus C;Speckes: Cydia pomonella granulosis virus C;Deckes: Cydia pomonella granulosis virus CpGV C;Date: 21-sep-1993 **sequence_revision 25-Apr-1997 **text_change 15-Sep-2000 C;Accession: A45679 R;Crook, N.E.; Clem, R.J.; Miller, L.K. J. Virol. 67, 2168-2174, 1993 A;Title: An apoptosis-inhibiting baculovirus gene with a zinc finger-like mo A;Reference number: A45679; MUID:93188168
probable apoptosis inhibitor - Chilo iridescent virus C;Species: Chilo iridescent virus C;Date: 24-Mar-1999 #sequence_revision 24-Mar-1999 #t C:Accession: T03183
                                                               T03183
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                                                                                                                                                                                                                                                                                                               A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-275 <CRO>
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C; Keywords: apoptosis
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A; Residues: 1-298 <LIN>
C: Comment: This protein,
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Best Local Similarity
Conserv
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Best Local
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                                                                                                                      132 LAEAGFFYTGQGDKTRCFCCDGGLKDWEPDDAPWQQHARWYDRCEY 177
                                                                              14
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در
                                                                                                                                                      1 LARAGEYYIGPGDRVACFACGGKLSNWEPKDDAMSEHRRHEPNCPF 46
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                                                                                                                                                                                        l Similarity
21; Conserv
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                                                                                                                                                                                      ; Score 124; DB
; Pred. No. 5.9e
6; Mismatches
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6; Mismatches 19;
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Pred. No. 2.7e-08;
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            24-Mar-1999 #text_change 02-Sep-2000
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5.9e-08;
hes 19;
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                                                                                                                                                                                                                   Length 275;
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Search completed: January Job time: 703 sec

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2002, 15:49:09

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RESULT 15
738409
ORE MSV248 probable inhibitor of apoptosis protein (IAP) - Melanoplus Sangulnipes
C;Species: Melanoplus Sangulnipes entomopoxvirus
C;Species: Melanoplus Sangulnipes entomopoxvirus
C;Date: 21-Jan-2000 *sequence_revision 21-Jan-2000 *text_change 21-Jul-2000
C;Accession: 728409
R;Afonso, C,L.; Tulman, E.R.; Lu, Z.; Oma, E.; Kutish, G.F.; Rock, D.L.
J. Virol. 73, 533-552, 1999
R;Afonso, C,L.; Tulman et Melanoplus Sanguinipes entomopoxvirus.
A;Title: The genome of Melanoplus Sanguinipes entomopoxvirus.
A;Accession: 728409
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Residues: 1-150 (AFO)
A;Cross-references: EMBL:AF063866; NID:94049647; pfDN:AAC97724.1; piD:94049764
C;Genetics:
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C;Superfamily: RING finger homology
F:159-202/Domain: RING finger homology <RRN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R:Bahr, U.; Tidona, C.A.; Darai, G.
Virus Genes 15, 235-245, 1997
A;Tttle: The DNA sequence of Chilo iridescent virus between the genome coordinates A;Reference number: 214834; MUID:98141693
A;Accession: T03183
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-208 <BAH>
                                                                                                                                                                                                                      A; Note: MSV248
                                                                                    Query Match
Best Local Similarity 43.5
Matches 20; Conservative
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Best Local Similarity
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37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 LARAGFYYIGPGDRVACFACGGKLSNWEPKDDAMSEHRRHFP----NCPF 46
                                          1 LARAGEYYIGPGDRVACFACGGKLSNWEPKDDAMSEHRRHFPNCPF 46
LCEAGFFYTNIGDITVCFNCGLKIKNWLYYNDPWIEHSKWSPNCNY 82
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Pred. No. 3.4e-07;
7; Mismatches 17;
                                                                                             Score 111; DB 2;
Pred. No. 1.4e-06;
5; Mismatches 21;
                                                                                                                                       Length 150
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